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Tel: (719) 589 3122
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PL002 Series LED Axial Leaded

Features

- ***Flat Package Rectangular Type 3.0 x 2.2 x 1.5 mm**
- ***Low Current available**
- *High Light Output
- *IC Compatible
- ***Super & Ultra Bright available**
- *Plastic Holder with axial Leads

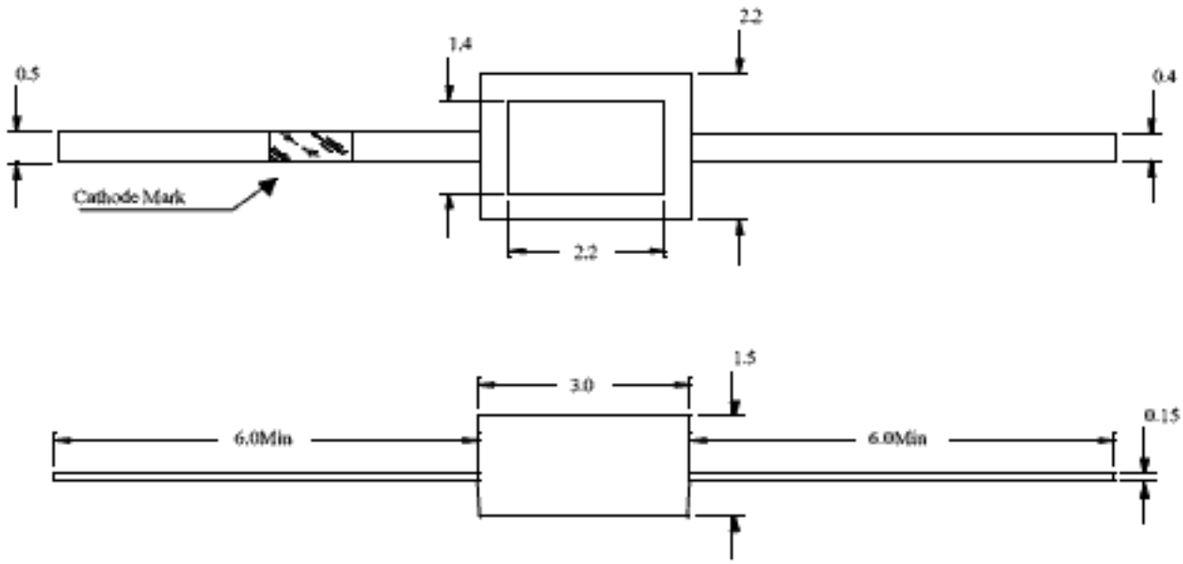
Absolute Maximum Ratings at T_A = 25 °C

Reverse Voltage (<100 mA)	(R19 3.0V) for all others 5.0V
Max Forward Current	30mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100mA
Operating Temperature Range	-25°C to + 85°C
Storage Temperature Range	-25°C to + 100°C
Soldering Temperature (1.6mm below body)	240° for 10 seconds

Electrical & Optical Characteristics at T_A = 25 °C

Part Number		Emitting Color	Material	Peak Wave Length	View Angle 2θ ½	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
Color Transparent	Water Clear			(nm)	Deg	Typ	Max	Min	Typ
PL002-CT-R24	PL002-WC-R24	Bright Red	GaP	700	83°	2.1	3.0	2.2	3.6
PL002-CT-R12	PL002-WC-R12	High Eff Red	GaAsP on GaP	635		2.1	3.0	6.6	11.0
PL002-CT-G13	PL002-WC-G13	High Eff Green	GaP	567		2.1	2.6	5.7	9.5
PL002-CT-Y01	PL002-WC-Y01	Yellow	GaAsP on GaP	585		2.1	3.0	4.7	7.9
PL002-CT-O12	PL002-WC-O12	Orange	GaAsP on GaP	635		2.1	3.0	6.6	11.0
PL002-CT-A02	PL002-WC-A02	Amber	GaAsP on GaP	610		2.1	3.0	6.6	11.0

Package Dimensions are in **Millimeters**. Tolerance is ± 0.25mm unless otherwise specified.



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PL002 Series Low Current LED Axial Leaded

Features

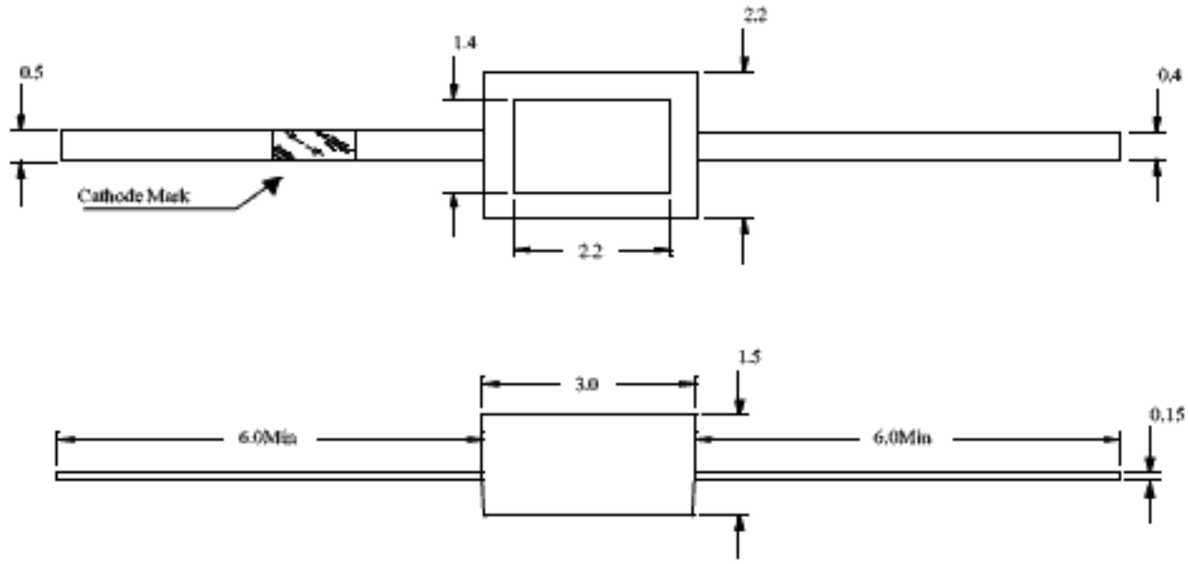
- *Flat Package Rectangular Type 3.0 x 2.2 x 1.5 mm
- *Standard Colors available
- *High Light Output
- *IC Compatible
- *Super & Ultra Bright available

Absolute Maximum Ratings at T_A = 25 °C	
Reverse Voltage (<100μA)	5.0V
Max Forward Current	30mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100mA
Operating Temperature Range	-25°C to + 85°C
Storage Temperature Range	-25°C to +100°C
Soldering Temp	260°C for 5 seconds

Electrical & Optical Characteristics at T_A = 25 °C

Part Number		Emitting Color	Material	Peak Wave Length	View Angle 2θ1/2	Forward Voltage @2mA (V)		Luminous Intensity @2mA (mcd)	
Color Transparent	Water Clear			(nm)	Deg	Typ	Max	Min	Typ
PL002-CT-R12-LC	PL002-WC-R12-LC	High Eff Red	GaAsP on GaP	635	83°	1.8	2.2	0.7	1.2
PL002-CT-G13-LC	PL002-WC-G13-LC	High Eff Green	GaP	567		1.8	2.2	0.6	1.0
PL002-CT-Y01-LC	PL002-WC-Y01-LC	Yellow	GaAsP on GaP	585		1.8	2.2	0.5	0.9
PL002-CT-O12-LC	PL002-WC-O12-LC	Orange	GaAsP on GaP.	635		1.8	2.2	0.7	1.2

Package Dimension are in **Millimeters**. Tolerance is ± 0.25mm unless otherwise specified.



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PL002 Series Super & Ultra Bright LED Axial Leaded

Features

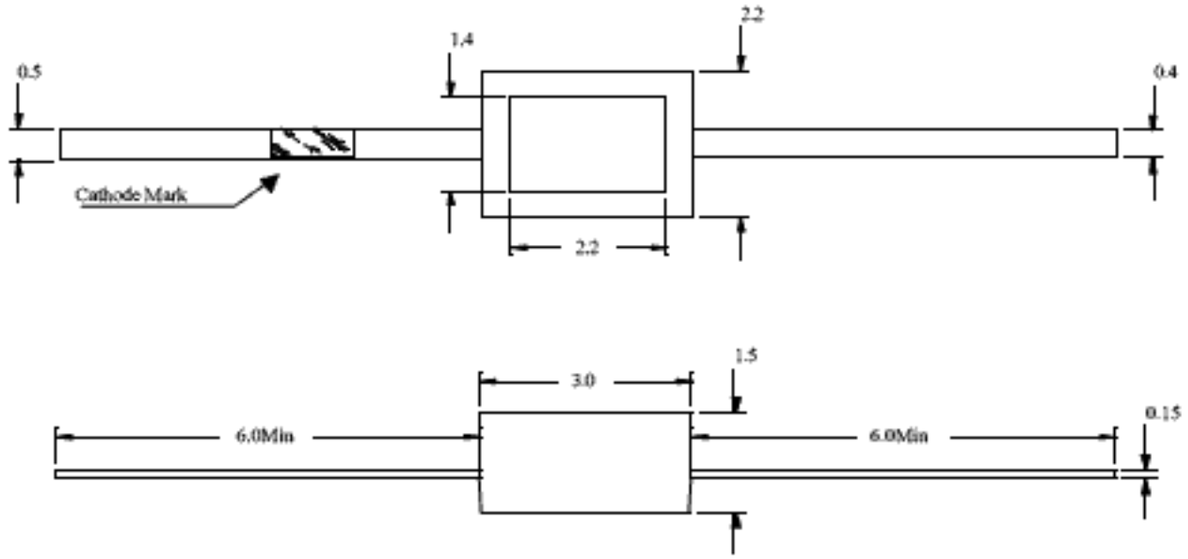
- ***Flat Package Rectangular Type 3.0 x 2.2 x 1.5 mm**
- ***Low Current available**
- *High Light Output
- *IC Compatible
- ***Standard Colors available**
- *Plastic Holder with axial Leads

Absolute Maximum Ratings at T_A = 25 °C	
Reverse Voltage (<100μA)	(Ultra Bright 4.0V) for others 5.0V
Max Forward Current	30mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100mA
Operating Temperature Range	-25°C to + 85°C
Storage Temperature Range	-25°C to +100°C
Soldering Temp	260°C for 5 seconds

Electrical & Optical Characteristics at T_A = 25 °C

Part Number		Emitting Color	Material	Peak Wave Length	View Angle 2θ1/2	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
Color Transparent	Water Clear			(nm)	Deg	Typ	Max	Min	Typ
PL002-CT-R22	PL002-WC-R22	Super Dark Red	GaAlAs on GaAlAs	660		1.9	2.5	37.6	62.6
PL002-CT-R03	PL002-WC-R03	Ultra Reddish Orange	InGaAlP on GaAs	621	83°	2.1	2.4	52.6	87.6
PL002-CT-Y08	PL002-WC-Y08	Ultra Yellow	InGaAlP on GaAs	593		2.1	2.4	50.0	83.2

Package Dimension are in **Millimeters** .Tolerance is ± 0.25mm unless otherwise specified.



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